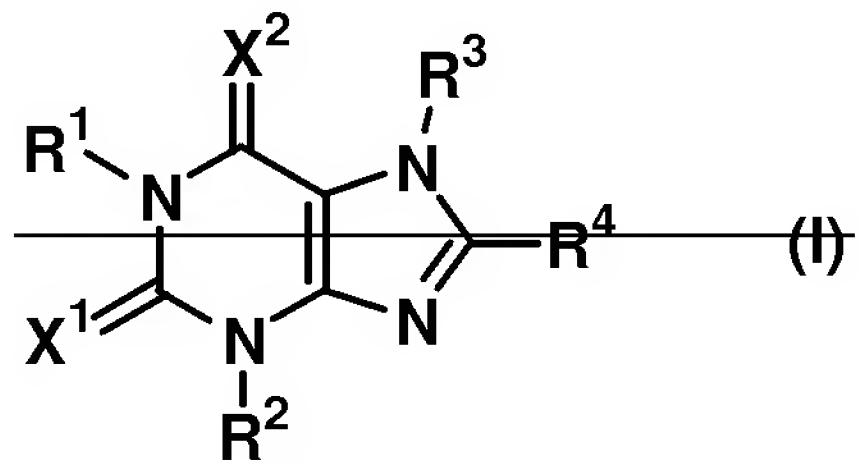


b.) Amendment to the Claims

Claims 1-8 (Cancelled).

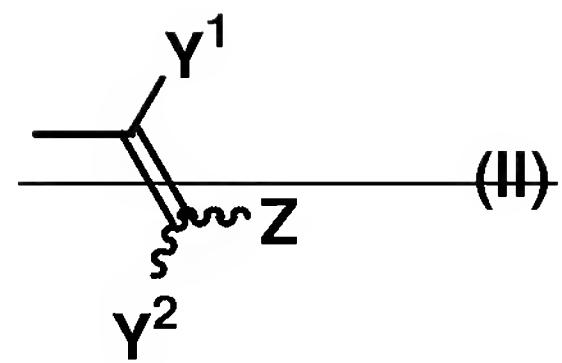
9. (Currently Amended) A method for ~~preventing and/or~~ treating an impairment of higher brain function caused by brain injury due to head trauma, said impairment being selected from the group consisting of memory, thinking, recognition, action and learning, comprising administering to a patient in need thereof an effective amount of (E)-8-(3,4-dimethoxystyryl)-1,3-diethyl-7-methylxanthine ~~a xanthine derivative represented by formula (I)~~



wherein

~~R¹, R² and R³ independently represent a hydrogen atom, lower alkyl, lower alkenyl, or lower alkynyl;~~

~~R⁴ represents cycloalkyl, -(CH₂)_n-R⁵ (wherein R⁵ represents a substituted or unsubstituted aryl, or a substituted or unsubstituted heterocyclic group; and n represents an integer of 0 to 4) or a group represented by formula (II):~~



wherein Y¹ and Y² independently represent a hydrogen atom, halogen or lower alkyl; and Z represents substituted or unsubstituted aryl, or a substituted or unsubstituted heterocyclic group); and

X¹ and X² independently represent an oxygen atom or a sulfur atom,

or a pharmaceutically acceptable salt thereof.

10. (Previously Presented) The method according to claim 9, wherein the impairment of higher brain function is selected from the group consisting of agnosia, amnesia and apraxia.

11. (Previously Presented) The method according to claim 9, wherein the impairment of higher brain function is a memory impairment.

12. (Previously Presented) The method according to claim 9, wherein the impairment of higher brain function is a learning impairment.

Claims 13-16 (Cancelled).